



GOWLVAN1.001AUS

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sarkar et al. ) Group Art Unit: Unknown  
App. No. : 10/053,241 )  
Filed : January 16, 2002 )  
For : HOLLOW INORGANIC )  
MEMBRANES PRODUCED BY )  
METAL OR COMPOSITE )  
ELECTRODEPOSITION )  
Examiner : Unknown

RECEIVED  
SEP 11 2003  
TC 1700

REQUEST TO ADD NAME OF OMITTED INVENTOR  
UNDER 37 C.F.R. § 1.48(a)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant petitions to add the following name, omitted by error, as inventor to the above-identified application:

1. Hongsang Rho

Submitted herewith are updated copies of the Statement by Inventor under 37 C.F.R. § 1.48(a)(2), Declaration and Power of Attorney under 37 C.F.R. § 1.48 (a)(3), and Consent of Assignee under 37 C.F.R. § 1.48(a)(5). The petition fee for correction of inventorship is \$130 (37 C.F.R. § 1.17(i)).

Payment of fees enclosed is a check in the amount of \$130. Please charge Deposit Account No. 11-1410 for any fee deficiency.

09/10/2003 YPOLITE1 00000052 10053241

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130.00 OP

Respectfully submitted,

Dated: September 5, 2003

By: Adeel S. Akhtar  
Adeel S. Akhtar  
Registration No. 41,394



PATENT

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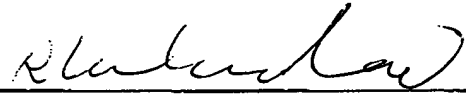
STATEMENT BY INVENTOR  
UNDER 37 C.F.R. § 1.48(2)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22213-1450

Dear Sir:

The error in omitting Hongsang Rho, an inventor, occurred by error, without deceptive intent on the part of the undersigned added inventor. This statement is made by the added inventor signing below.

Dated: Aug. 13, 2003

By:   
Hongsang Rho

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Attorney's Docket No. GOWLVAN1.001AUS

**DECLARATION AND POWER OF ATTORNEY- USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **HOLLOW INORGANIC MEMBRANES PRODUCED BY METAL OR COMPOSITE ELECTRODEPOSITION**; the specification of which was filed on January 16, 2002 as Application Serial No. 10/053,241.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

**POWER OF ATTORNEY:** I hereby appoint the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, 14<sup>th</sup> Floor, Irvine, California 92614, Telephone (949) 760-0404, Customer No. 20,995.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: **Partho Sarkar**

Inventor's signature *Partho Sarkar*

Date June 5/2003

Residence: #34-3221-119th Street, Edmonton, Alberta, CANADA T6J 5K7

Citizenship: **Canadian**

Post Office Address: same as above



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TC 1700

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Attorney's Docket No. GOWLVAN1.001AUS

Full name of second inventor: **Hongsang Rho**

Inventor's signature *Rho*

Date June 3, 2003

Residence: 11004 - 11<sup>th</sup> Avenue NW, Edmonton, Alberta, Canada T6J 6M8

Citizenship: **Korean**

Post Office Address: same as above

Send Correspondence To:  
**KNOBBE, MARTENS, OLSON & BEAR, LLP**  
Customer No. 20,995



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)  
Examiner : Unknown )

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ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below, Alberta Research Council, Inc. (the "Assignee"). The Assignment of the above-captioned application from the Partho Sarkar to the Assignee can be found at Reel 012987, Frame 0184. This Assignment, together with the Assignment from Hongsang Rho to the Assignee attached hereto, represents the entire chain of title of this invention from the Inventors to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040

App. No. : 10/053,241  
Filed : January 16, 2002

Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, Customer No. 20,995, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use Customer No. 20,995 for all communications.

ALBERTA RESEARCH COUNCIL, INC.

Dated: June 5, 2003

By: 

Printed Name: Keith Salmon

Title: Chief Financial Officer

Address: 250 Karl Clark Road  
Edmonton, Alberta  
CANADA T5N 1E4

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021703

**COPY**  
**Do N t R cord**

**ASSIGNMENT OF APPLICATION**

WHEREAS, I: **Hongsang Rho**, a Korean citizen, residing at 11004 – 11<sup>th</sup> Avenue, Edmonton, Alberta, Canada T6J 6M8, have invented certain new and useful improvements in: **HOLLOW CERAMIC MEMBRANES PRODUCED BY METAL OR COMPOSITE ELECTRODEPOSITION** for which an application for Letters Patent has been made in the United States under Serial No.10/053,241, on January 16, 2002;.

WHEREAS, **ALBERTA RESEARCH COUNCIL INC.** (hereinafter "ASSIGNEE"), a Canadian corporation, with its principal place of business at 250 Karl Clark Road, Edmonton, Alberta, Canada T6N 1E4, desires to acquire the entire right, title and interest in and to said invention and in and to the said improvements and the said Application;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all extensions and reissues thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as foresaid, to Issue all Letters Patent for said improvements and to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.


AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible

to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3<sup>rd</sup> day of June, 2003.

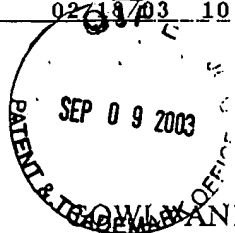
Witness:

Inventor:

  
\_\_\_\_\_  
Leonard Newby

  
\_\_\_\_\_  
Hongsang Rho





AN1.001AUS

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Sarkar et al.	)	Group Art Unit Unknown
			)	
Appl. No.	:	10/053,241	)	I hereby certify that this correspondence
			)	and all marked attachments are being
Filed	:	January 16, 2002	)	deposited with the United States Postal
			)	Service as first-class mail in an envelope
For	:	HOLLOW INORGANIC	)	addressed to: United States Patent and
		MEMBRANES PRODUCED	)	Trademark Office, P.O. Box 2327,
		BY METAL OR COMPOSITE	)	Arlington, VA 22202, on
		ELECTRODEPOSITION	)	September 9, 2003
			)	<i>Adcel S. Akhtar</i>
			)	(Date)
Examiner	:	Unknown	)	<i>Adcel S. Akhtar</i>
			)	Adcel S. Akhtar, Reg. No. 41,394

CONSENT OF ASSIGNEE

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). Alberta Research Council, Inc., as Assignee from the originally listed inventor in the above-referenced application (*See Assignment at Reel 012987, Frame 0184*), hereby consents to the inventorship change adding Hongsang Rho as the second inventor on said application.

Respectfully submitted,

ALBERTA RESEARCH COUNCIL, INC.

Dated: June 5, 2003

By: *Keith Salmon*

Printed Name: Keith Salmon

Title: Chief Financial Officer